

Title (en)

PYROTECHNICAL METHOD FOR DUAL-MODE GAS GENERATION AND RELATED PYROTECHNICAL GENERATOR

Title (de)

PYROTECHNISCHES VERFAHREN ZUR DOPPELMODUS-GASERZEUGUNG UND ENTSPRECHENDER PYROTECHNISCHER GENERATOR

Title (fr)

PROCÉDÉ PYROTECHNIQUE DE GÉNÉRATION DE GAZ A DEUX RÉGIMES - GÉNÉRATEUR PYROTECHNIQUE ASSOCIÉ

Publication

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Application

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Abstract (en)

[origin: WO2008043946A2] The invention relates to a pyrotechnical method for generating a gas at two successive flow rates, i.e. a first flow rate and a second flow rate, said first flow rate being higher than said second flow rate, that comprises: the combustion of a first pyrotechnical charge (10) in a first combustion chamber (1) discharging into a second combustion chamber (2) through at least one nozzle (3); and the combustion of a second pyrotechnical charge (20) in said second combustion chamber (2) discharging towards the outside through at least one vent (21). Typically, said first combustion chamber (1) operates at a high pressure while said second combustion chamber (2) operates at a low pressure. The invention also relates to a gas pyrotechnical generator for implementing said method. The invention can essentially be used for side-protection inflatable bags (curtain airbags) used in automobile safety.

IPC 8 full level

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